

Notice of Allowability

Application No.

10/787,215

Examiner

Sheila B. Smith

Applicant(s)

BERGAMO, MARCOS A.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 2/27/04.
2. ☒ The allowed claim(s) is/are 1-59,87 and 88.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-59, drawn to a method for conserving power comprising a receiver, classified in class 455, subclass 343.2.
 - II. Claims 60-67, drawn to method for transmitting burst, classified in class 455, subclass 127.5.
 - III. Claims 78-82,86, drawn to a transmitter, classified in class 455, subclass 126.
 - IV. Claims 68-77, 83-85, drawn to a receiver, classified in class 455, subclass 130.
2. During a telephone conversation with Edward Gordon on 5/12/06 a provisional election was made without traverse to prosecute the invention of Group I, claim1-59.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ed Gordon on 5/12/06.

The application has been amended as follows:

In the claims:

Please amend claim 1, line 9 after "time" delete --"and a duration"--.

Please amend claim 1 line 13 after "blocks," delete --"the powering on continuing for a first duration of time based on the derived information"--.

Please cancel claims 60-86.

Please add claim 87. (new) The method of claim 1, wherein the derived information includes an indication of a duration for powering on one or more components of the device to receive the one or more blocks of data included in the burst.

Please add claim 88. (new) The method of claim 87 wherein the powering on of the one or more components continues for a first duration of time based on the derived information;

(End of amendment)

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance:

The prior art of record considered alone or in combination neither anticipates nor renders obvious a method for conserving power in a wireless ad hoc network, comprising: receiving, in a device, a burst via the wireless network, the burst including a preamble, a postamble and one or more blocks of data the device being in one of a low power state and a powered off state at a time when the preamble is received: determining whether the preamble of the burst includes data indicating an ID of the receiving device; when the determining determines that the preamble includes the data indicating the ID of the receiving device, performing: deriving, from the preamble, information indicating a time and a duration for powering on one or more components of the device to receive the one or more blocks of data included in the burst; powering on the one or more components at a first time period based on the derived information in order to receive the data in a block of the one or more blocks, the powering on continuing for a first duration of time based on the derived information; powering off the one or more components at a specific time period from a beginning of the first time period based on the derived information; repeating the powering on and the powering off for each of the one or more blocks of data in the burst; and processing the received one or more blocks of data.

The prior art of record provided numerous teachings of conserving power in a wireless ad hoc network. However, the prior art of record failed to specifically disclose receiving, in a device, a burst via the wireless network, the burst including a preamble, a postamble and one or more blocks of data the device being in one of a low power state and a powered off state at a time when the preamble is received: determining whether the preamble of the burst includes data

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indicating an ID of the receiving device; when the determining determines that the preamble includes the data indicating the ID of the receiving device, performing: deriving, from the preamble, information indicating a time and a duration for powering on one or more components of the device to receive the one or more blocks of data included in the burst; powering on the one or more components at a first time period based on the derived information in order to receive the data in a block of the one or more blocks, the powering on continuing for a first duration of time based on the derived information; powering off the one or more components at a specific time period from a beginning of the first time period based on the derived information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheila B. Smith whose telephone number is (571)272-7847. The examiner can normally be reached on Monday-Thursday 6:00 am - 3:00 pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

S. Smith

June 8, 2006



JOSEPH FEILD
SUPERVISORY PATENT EXAMINER